

GORKA, Zygmunt

Osteoplastic thoracoplasty after pulmonary resection. Polski  
przegl. chir. 33 no.4:317-322 '61.

1. Z I Kliniki Chirurgicznej Śląskiej Akademii Medycznej im. Ludwika  
Waryńskiego w Zabrze Kierownik: doc dr S.Szysko.  
(PNEUMONECTOMY compl)

ZIAREK, Stanislaw; GORKA, Zygmunt

Value of "terracortril-spray" in the preparation of infected surgical wounds for late secondary suturing. Polski przegl. chir. 33 no.6:547-554 '61.

1. Z I Kliniki Chirurgicznej Sl. AM w Zabrze Kierownik: doc. dr S. Szysko.

(OXYTETRACYCLINE ther) (HYDROCORTISONE ther)  
(SURGERY OPERATIVE compl)

GORKA, Zygmunt

Experimental partial ligation of the mesenteric vessels of the small intestine of the rat; effect of hypacem (PH-203). Acta physiol. pol. 14 no.2:215-226 '63.

1. Z I Kliniki Chirurgicznej Śląskiej AM w Zabrzu Kierownik:  
prof. dr St. Szyszko.

(MESENTERIC VASCULAR OCCLUSION)  
(ERGOT ALKALOIDS, HYDROGENATES)  
(PHARMACOLOGY)

SOSNIERZ, Marian; OKLEK, Kazimierz; GORKA, Zygmunt

Contribution to the problem of the pathogenesis of fibro-  
hyaloid changes in pulmonary tuberculosis. Gruzlica 31 no.9:  
989-993 '63.

1. Z Sl. AM w Zabrze Zaklad Anatomii Patologicznej Kierownik:  
prof. dr W. Niepolomski Klinika Ftizjatryczna Kierownik: prof.  
dr L. Deloff Klinika Chirurgiczna Kierownik: prof. dr  
S. Szyszko.

(TUBERCULOSIS, PULMONARY) (PATHOLOGY)

GORKA, Zygmunt

An isolated pulmonary shadow as a surgical problem. Pol. tyg.  
lek. 19 no.47:1808-1810 23 N'64.

1. Z I Kliniki Chirurgicznej Slaskiej Akademii Medycznej w  
Zabrze (kierownik Kliniki: prof. dr. med. Stanislaw Szyszko).

GORNA, Zygmunt; KORYCKI, Janusz

Conservative therapy of pulmonary abscesses. *Pracznik 2/ no.4:*  
345-356 Ap 1964.

A. Z I Kliniki Chirurgicznej Śląskiej Akademii Medycznej w Zabrzu  
(Kierownik: prof. dr. med. S. Szymko).

SZYSZKO, Stanislaw; GORKA, Zygmunt; CZYŻEWSKI, Janinierz

Cancer of the lung. Pol. patol. chir. 36 no.3:401-408  
Mr '64.

1. Z I Kliniki Chirurgicznej Sl. Akademii Medycznej w Zabrze  
(Kierownik: prof. dr S. Szyszko).

CZYŻEWSKI, Kazimierz; GONKA, Zygmunt; SOSNIEZ, Marian; WIECZOREK,  
Miroslaw

Clinical and histological aspects of bronchial carcinoma in  
own material. Gruzlica 33 no.1:13-20 Ja '65.

1. Z I Kliniki Chirurgii Slaskiej Akademii Medycznej (Kie-  
rownik: prof. dr. med. S. Szyszko) i z Zakladu Anatomii  
Patologicznej Slaskiej Akademii Medycznej w Zabrze (Kierow-  
nik: prof. dr. med. W. Niepolomski).



GORKA-KINSNER, Krystyna

Effect of isoniazid on blood coagulability. Gruzlica 24 no.1:  
23-26 Jan 56.

1. Z. Kliniki Fizjologicznej Slaskiej Akademii Medycznej. Kierownik:  
prof. dr. L. Deloff. Zabrze, ul. 3-go Maja 15. Klinika Chorob  
Wewnętrznych.

(BLOOD COAGULATION, eff. of drugs on  
isoniazid

(NICOTINIC ACID ISOMERS, eff.  
isoniazid on blood coagulability.

GORKA-NIWINSKI, Stanislaw

Factors shaping the productivity of farming enterprises.  
Prace przyrod roln Szczecin 21 no. 1:1-117 '64.

GORKA-NTWINSKI, Stanislaw

\*\*\*\*\*

Studies on the development, activities, and economics of  
state farms in the Szczecin Voivodeship during the years  
1945-1949. Prace przyrod roln Szczecin 5 no.4:1-139 '62.

GORKAVENKO, A. S.

Gorkavenko, A. S. -- "Phylloxera and Measures for Liquidating it in Anapskiy Rayon, Krasnoyarsk Kray." Moscow Order of Lenin Agricultural Acad imeni K. A. Timiryazev, Moscow, 1955 (Dissertation for Degree of Candidate in Biological Sciences).

SO: Knizhnaya Letopis', No. 23, Moscow, June, 1955, pp. 87-104,

GORKAVENKO, A.S., kand.biolog.nauk

Protection of vineyards in France. Zashch.rast.ot vred.i bol.  
5 no.749-52 JI '60. (MIRA 16:1)

1. Vsesoyuznaya nauchno-issledovatel'skaya protivofilloksernaya  
stantsiya, Odessa.  
(France--Grapes--Diseases and pests)

GIBERNAIRO, L. I.; GIBERNAIRO, L. I.

Portable screens for the protection of people from the  
polluted air of automobile thoroughfares. *Tr. Vost. nauch.*  
Dal'. Vost. no. 1:91-96 '63. (Mosc. 1963)

1. Dal'nevostochnyy nauchno-issledovatel'skiy tsentr  
stroitel'stva i Botanicheskiy sad Dal'nevostochnogo  
Sibirskogo otdeleniya AN SSSR.

DOROKHOV, Ivan Petrovich; LUTOV, Aleksey Antonovich; PAVLENKO, Dmitriy Vasil'yevich; CHABAN, G.I., red.; GORKAVENKO, L.I. Horkavenko, L.I., tekhn. red.; LAGUTIN, I.T. [Lahutin, I.T.], tekhn. red.

[Manual on the calculation of timber and forest production] Do-  
vidryk z obliku lisomaterialiv i lisovoi produktsii. [By] I.P.  
Dorokhov ta inshi. Kyiv, Derzh.vyd-vo tekhn.lit-ry URSR, 1961.  
587 p. (MIRA 16:2)

(Lumbering--Tables and ready-reckoners)

GOR'KAYEV, B.K. (Leningrad Tire Plant)

Mechanizing transportation and storage of tires in the finished products warehouse.

Report presented at the Third All-Union Conference on Automation and Mechanization of major rubber production processes, Dnepropetrovsk, 2-6 Oct 62



GOR'KAYEVA, Z. (Krasnodar)

Amortization funds on collective farms. Vop.ekom. no.8:147-150 Ag  
'56. (Collective farms--Accounting) (MLRA 9:9)

LEBEDEV, I.M., inzh.; GORKER, I.A., inzh.; MOCHALIN, V.B., k. nd. khim. nauk

New method of obtaining cumaldehyde and a combined method of obtaining para-isopropyl- $\alpha$ -methylcinnamaldehyde. Masl.-zhir. prom. 27 no. 2:33-35 '61. (IJA 14:2)

1. Zavod "Slozhnyye efiry" (for Lebedev, Gorker). 2. Moskovskiy institut tonkoy khimicheskoy tekhnologii imeni M.V. Lomonosova (for Mochalin).

(Benzaldehyde)

(Cinnamaldehyde)

SERZHANIN, A.I.; BOBROVA, N.V.; GORKER, I.B.

Gastric and duodenal perforating ulcers. Trudy Vor. med. inst.  
52:129-133 '63. (MIRA 18:3)

KUZNETSOVA, M.; GORKHOV, N. (Kazan')

Problems of work hygiene and prevention of occupational diseases  
at the All-Union Conference of Industrial Hygiene and Sanitary  
Control Physicians. Kaz.med. zhur. no.3:115-116 My-Je'63.  
(MIRA 16:9)

(INDUSTRIAL HYGIENE--CONGRESSES)

GORKHOV, V. A. and Parfenov, V. A.

"The Welding of Titanium-Bearing 80-20 Nichrome" (Avto. Delo, 1952, 23, July, p. 7)

Type KhN78T (19-20 per cent. Cr, 1 per cent. Fe,  $\frac{1}{4}$  per cent. Ti) nichrome is usually welded by argonarc or resistance welding. It is shown that excellent arc welds are produced using parent metal wire with a standard nichrome-type coating, provided care is taken to minimize chromium and titanium losses by depositing small runs at high welding speeds.

VI

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EWT (M)/BDS

S/031/63/000/005/011/075

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AUTHOR: Gorokhovskiy V. M., Gorkhovskaya, V. I. and Nigmatullin, R. S.

TITLE: The oscillographic polarography of some organic compounds

PERIODICAL: Referativnyy zhurnal, Khimiya, no. 5, 1963, 83, abstract 5B597, Teoriya i praktika polyarogr. analiza, "Shtiintsa", 1962, 63-67)

TEXT: With the aid of the oscillographic polarograph with triangular envolution, oscillographic polarograms (OP) of photographic reagents were obtained with dropping Hg electrode: hydroquinone (I), quinone (II), pyrocatechol (III), resorcinol (IV), hydroxyphenylglycine (V), o- (VI), n- (VII), and m-aminophenols (VIII), methyl VII (IX), 2-aminobenzthiezois (X) and its derivatives, 5,7 diamino-2,3,4,6-tetrazoindolycine (XII) and 5,7 dimethyl-2,3,4-triazoindolycine (XIII). A study was made of the dependence of the height of the peak  $i_{\gamma}$  on the rate of scan of potential  $V$  in the 30-350 volt/sec interval for I and X, and also the dependence of potential of the peak  $E_{\gamma}$  on pH and the magnitude of the potential difference of anode and cathode peaks for I, II, III, VII, XI. I, III, V, VI, VII and IX are reduced reversibly and III and VIII irreversibly. The OP of compound X contains two anode-cathode peaks ( $E_{\gamma} = 1.1 - 1.2$  v vs SCE) and OP of alkaline solutions

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The oscillographic polarography .....

of I and its derivatives contain new peak ( $E_{1/2} = 0.78$  v). It is noted that  $i_{1/2}$  of the latter does not depend on  $v$ . There are no sharp changes in the capacity current on the OP of compound XI and its derivatives with changes of the potential, but on the OP of compounds XII and XIII such phenomenon is observed. The article discusses the connection between the demonstrated capabilities and the appearance of the reversible anode-cathode peaks. A.E.

[Abstractor's note: Complete translation]

Card 2/2

. Gorkhovskiy, V. M.

Category: USSR

B-12

Abs Jour: R Zh--Kh, No 3, 1957, 7692

Author : Gorkhovskiy, V. M. and Nigmatullin, R. Sh.

Inst : Kazan University

Title : The Investigation of Complexes of Copper with Aromatic Acids and Phenols by the Method of Oscillographic Polarography

Orig Pub: Uch. Zap. Kazanskogo un-ta, 1956, Vol 116, No 1, 162-166

Abstract: A dropping-Hg electrode was used to record the oscillograms (O) of the current-voltage curves for  $\text{Cu}^{2+}$  solutions containing sodium salicylate (I), thiosalicylic acid (II), pyrocatechol (III), sodium p-aminosalicylate (IV), guaiacyl potassium sulfonate (V), sodium acetylsalicylate (VI), and phthalic acid (VII) on a background of  $\text{NaNO}_3$  as well as of a  $\text{Cu}^{2+}$  solution containing no organic substance and of a solution of  $\text{Cu}^+$  in the presence of  $\text{Na}_2\text{SO}_3$  on a background of  $\text{Na}_2\text{SO}_4$ . The O of  $\text{Cu}^{2+}$  ions on a background of  $\text{NaNO}_3$  is asymmetrical, showing two peaks in the cathodic region and one peak in the anodic region; it is assumed that the irreversible reaction  $\text{Cu}^{2+} + e \rightarrow \text{Cu}^+$  (unsym-

Card : 1/2

-25-



Category: USSR

B-12

Abs Jour: R Zh--Kh, No 3, 1957, 7692

metrical section of 0) is followed by the reversible step  $\text{Cu}^{+} + e \rightarrow \text{Cu}$  which competes with the disproportionation reaction  $2\text{Cu}^{+} = \text{Cu}^{2+} + \text{Cu}$ . The 0 of the  $\text{Cu}^{+}$  solution is symmetrical; this is confirmed by the reversible character of the reaction  $\text{Cu}^{+} + e \rightarrow \text{Cu}$ . When  $e$  is shifted towards negative values, the part played by the reduction of  $\text{Cu}^{+}$  increases. The 0 of solutions of I-VII have the same shape and differ only in the magnitude and form of the peaks; it is assumed that in the solutions of I-VII only the complex  $\text{Cu}(2+)$  exists and is reduced reversibly. The appearance of 0 depends on the structure of the complexes formed by I-VII and on the pH of the solution.

Card : 2/2

-26-

ANIREYEV, Aleksandr Nikolayevich; KOZLOVSKI, Borislav Vladimirovich,

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R000616220004-0"

[Automatic graph plotter using the output data of electronic digital computers] Ustroistvo avtomaticheskogo postroeniia grafikov po vykhodnym dannym elektronnykh vychislitel'nykh mashin (ETsVM). Leningrad, 1964. 22 p. (MIRA 18:3)

SPOLJAR, Milan; PREMUZIC, Branko; GORKIC, Daroslava; KONSTANTINOVIC, Miodrag;  
GASPAR, Branko

Cutaneous reactions to superficial applications of beta rays emitted by  
radium and radioactive strontium. Rad. med. fak. Zagreb 9 no.1:93-97  
'61.

(SKIN radiation eff) (RADIUM)  
(STRONTIUM radioactive)

VORBRODT, A.; WILCZOK, T.; SCHNEIBERG, K.; GORKI, T.

Autoradiographic studies of the fate of heterologous DNA after injection into mice. Neoplasma 10 no.4:355-359 '63.

1. Department of Tumour Biology, Institute of Oncology,  
Gliwice, Poland.

(METABOLISM) (RADIOAUTOGRAPHY) (URINE)  
(DNA, NEOPLASM) (FECES) (TRITIUM)  
(THYMIDINE)

GORKI, Ya. [Horky, J.]; GLATZER, E. [Glacer, E.]

Peptidase activity of the blood serum at various levels of  
nitrogen balance. Vop. pit. 24 no. 6:26-31 N-D '65  
(MIRA 19:1)

1. Institut pitaniya, Praga, Chekhoslovakiya.

GORKIN, A.P.; KOLACOVICH, K.L.

Technical and economic indicators on the state of industry. Izv. AN SSSR  
Ser. geog. no. 41209-712 31-Ag '65. (MIRA 18:8)

GORKIN, M.Ya.; YEVGEN'YEVA, L.Ya.; INNOKOVA, T.G.

Characteristics of restorative stage following physical  
exercise. Vopr.fiziol. no.9:147-154 '54. (MIRA 14:1)

1. Kiyevskiy institut fizicheskoy kul'tury, kafedra fiziologii.  
(EXERCISE,  
restoration of normal funst.)

Name: GORKIN, Moisey Yakovlevich

Dissertation: Exertion during muscular activity

Degree: Doc Med Sci

Affiliation: Kiev State Inst of Physical Culture

Defense Date, Place: 11 May 56, Council of the Inst of Physiology  
imeni Pavlov, Acad of Sci USSR

Certification Date: 18 May 57

Source: BMVO 15/57

GORKIN, M. [Horkin, M.], doktor med.nauk, prof.

Physical training and health. Nauka i zhyttia 11 no.2:44-45  
F '62. (MIRA 15:3)

(PHYSICAL EDUCATION AND TRAINING)



GORKIN, N.A., inzh.

Flow rate factor in the intake of water with slotted pipes. Vod. 1  
san. tekhn. no.10:34-37 0 '64. (MIRA 18:3)

GORKIN, N.F., professor (Leningrad)

"Urethroscopy and endo-urethral operations" by A.I.Vasil'ev. Reviewed  
by N.F.Gorkun. Urologia 21 no.2:86-87 Ap-Je '56. (MLRA 9:12)  
(URSTHRA--SURGERY)

Shchegolev, A. A., Shchegolev, A. A.

Modern instruments for surgery of the heart and great vessels .... 40

Novye khirurgicheskie apparaty i instrumenty i opyt ikh primeneniya (New  
SURGICAL Equipment and Instruments and Experience in Their Use) No. 1,  
Moscow, 1977 A collection of Papers of the Scientific Research Inst.  
for Experimental Surgical Equipment and Instruments.

*NUCLEAR*

GESELEVICH, A.M.; GORKIN, N.S.

Modern apparatus for intracardiac surgery. Med.prom. 11 no.6:60-63  
Je '57. (MLRA 10:8)

1. Nauchno-issledovatel'skiy institut eksperimental'noy khirurgicheskoy apparatury i instrumentov Ministerstva zdavookhraneniya SSSR  
(SURGICAL INSTRUMENTS AND APPARATUS)  
(HEART--SURGERY)

Geselevich, A. M., Gorkin, N. S., and Kutinova, E. P.

"A comparative evaluation of valvulotomes." Novye khirurgicheskie  
apparaty i instrumenty i opyt ikh primeneniya, No. 2, 1958, p. 125

GESELEVICH, A.M., GORKIN, N.S., KUTINOVA, YE.P.

New valvulotome for eliminating subvalvular stenosis of the pulmonary artery. Med.prom. 12 no.12:50-52 D '58 (MIRA 11:12)

1. Nauchno-issledovatel'skiy institut eksperimental'noy  
khirurgicheskoy apparatury i instrumentov.  
(SURGICAL INSTRUMENTS AND APPARATUS)  
(HEART—SURGERY)

GESELEVICH, A.M. (Moskva, Leninskiy prospekt, 13, kv.65); GORKIN, N.S.,  
inzh.; SMIRNOV, B.A., inzh.

Apparatus for mechanical suturing of patent ductus arteriosus  
and its experimental use. Grad.khir. 1 no.1:114-118 Ja-F '59.  
(MIRA 13:6)

1. Iz Nauchno-issledovatel'skogo instituta eksperimental'noy  
khirurgicheskoy apparatury i instrumentov Ministerstva zdra-  
vookhraneniya SSSR (dir. M.G. Anan'yev).

(SURGICAL INSTRUMENTS AND APPARATUS) (DUCTUS ARTERIOSUS)

GESELEVICH, A.M. (Moskva, Leninskiy prosp., d.13,kv.65); GARIN, N.D.;  
GORKIN, N.S.; STREKOPYTOV, A.A.

Apparatus for suturing the pulmonary root; small type (UKL-40).  
Grud. khir. 1 no.3:118-122 My.-Je '59. (MIRA 15:3)

1. Iz Nauchno-issledovatel'skogo instituta eksperimental'noy  
khirurgicheskoy apparatury i instrumentov Ministerstva zdravoo-  
khraneniya SSSR (dir. M.G. Anan'yev).

(SURGICAL INSTRUMENTS AND APPARATUS)

(SUTURES)



GESELEVICH, A.M. (Moskva, Leninskiy prosp., d.13, kv.65); GORKIN, N.S.;  
SMIRNOV, B.A.

Alloplastic prostheses for replacing the semilunar aortic  
valves. Grud. khir. 1 no.4:96-104 JI-Ag '59. (MIRA 15:3)

1. Iz Nauchno-issledovatel'skogo instituta eksperimental'noy  
khirurgicheskoy apparatury i instrumentov (dir. M.G. Anan'yev).  
(AORTA—SURGERY)  
(PROTHESIS)

GESELEVICH, A.M.; GORKIN, N.S.; KUTINOVA, Ye.P.; TIKHOMIROVA, A.V.

*New models of instruments for heart surgery. Med. prom. 13 no.5:  
57-60 My '59. (MIRA 12:7)*

1. Vsesoyuznyy nauchno-issledovatel'skiy institut eksperimental'noy  
khirurgicheskoy apparatury i instrumentov.  
(SURGICAL INSTRUMENTS AND APPARATUS)  
(HEART--SURGERY)

GESELEVICH, Anatoliy Mikhaylovich, prof.; GORKIN, Nikolay Semenovich;  
ANAN'YEVA, M.G., red.; BABKINA, S.I., red.; BLISEYEVA, A.V.,  
red.; GABERLAND, M.I., tekhn. red.

[New surgical instruments and apparatus for chest surgery; a  
textbook for physicians and students in medical institutes] Novye  
khirurgicheskie instrumenty i apparaty dlia grudnoi khirurgii; po-  
sobie dlia vrachei i studentov meditsinskikh institutov. Moskva,  
Medgiz, 1961. 151 p. (MIRA 15:7)

(CHEST—SURGERY)

(SURGICAL INSTRUMENTS AND APPARATUS)

GESELEVICH, A.M. (Moskva, Lominskiy prospekt, d.13, kv.65); GORKIN, N.S.;  
KUTINOVA, Ye.P.

New models of instruments to be used in operations for valvular heart  
defects. Grad. khir. 3 no.1:116-120 Ja-F '61. (MIRA 16:5)

1. Iz Nauchno-issledovatel'skogo instituta eksperimental'noy  
khirurgicheskoy apparatury i instrumentov Ministerstva zdavo-  
okhraneniya SSSR (dir. M.G.Anan'yeva).  
(HEART—SURGERY) (SURGICAL INSTRUMENTS AND APPARATUS)

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BELKIN, V.R.; GORKIN, N.S.

New suturing instruments for chest surgery and the technique  
of preparing them for an operation. Med.sestra 20 no.12:40-45  
D '61. (MIRA 15:3)

1. Iz Nauchno-issledovatel'skogo instituta eksperimental'noy  
khirurgicheskoy apparatury i instrumentov Ministerstva zdрави-  
okhraneniya SSSR.

(SURGICAL INSTRUMENTS AND APPARATUS)  
(SUTURES)

GESELEVICH, A. M. (Moskva, V-71, Leninskiy prosp., d. 13, kv. 65);  
GORKIN, N. S.; SMIRNOV, B. A.

Introduction of the mechanical suture in operations on the large  
blood vessels. Grud. khir. no.2:93-94 '62. (MIRA 15:4)

1. Iz Nauchno-issledovatel'skogo instituta eksperimental'noy  
khirurgicheskoy apparatury i instrumentov (dir. - M. G. Anan'yev)  
Ministerstva zdravookhraneniya SSSR.

(BLOOD VESSELS---SURGERY) (SUTURES)

PREOBRAZHENSKIY, B.S., prof.; POTAPOV, I.I., prof.; BELKIN, V.R., mladshiy  
nauchnyy sotrudnik; GORKIN, N.S., inzh.; SMIRNOV, B.A., inzh.

Instruments for manipulations within the esophagus. Vest. otorin.  
no. 4:92-95 '62. (MIRA 16:3)

1. Iz Nauchno-issledovatel'skogo instituta eksperimental'noy  
khirurgicheskoy apparatury i instrumentov Ministerstva zdavo-  
okhraneniya SSSR (dir. M.G. Anan'yev), kafedry otorinolaringo-  
logii (zav. - deystvitel'nyy chlen AMN SSSR zasluzhennyy deyatel'  
nauki prof. B.S. Preobrazhenskiy) lechetnogo fakul'teta II Mos-  
kovskogo meditsinskogo instituta imeni N.I. Pirogova i otorino-  
laringologicheskoy kafedry (zav. - prof. I.I. Potapov) Tsentral'-  
nogo instituta usovershenstvovaniya vrachey.  
(ESOPHAGUS--EXPLORATION)

GESELEVUCH, A.M.; GORKIN, N.S.; BELKIN, V.R.; TIKHOMIROVA, A.V.

New models of instruments for pulmonary surgery. Grud.khir.  
no.4:115-117 J1-Ag '62. (MIRA 15:10)

1. Iz Nauchno-issledovatel'skogo instituta eksperimental'nov  
khirurgicheskoy apparatury i instrumentov (dir. M.G.Anan'yev)  
Ministerstva zdravookhraneniya SSSR.  
(SURGICAL INSTRUMENTS AND APPARATUS)



GORKIN, Petr Naumovich; BESDENEZHNYKH, N.A., red.; FEDYAYEVA, N.A., red.  
izdatel'stva; TSVETKOVA, S.V., tekhn.red.

[Tables for converting volumetric measures to weight and vice versa for freight on inland waterways] Tablitsy perevoda ob'emnykh mer v vesovye i vesovykh v obsemnye dlia massovykh gruzov rechnogo transporta. Moskva, Izd-vo "Rechnoi transport," 1957. 32 p. (MIRA 10:12)

(Freight and freightage--Tables and ready-reckoners)  
(Inland water transportation)

GORKIN, Petr Nannovich; DARONYAN, M.I., red.; MELENT'YEV, A.M., tekhn.red.

[Tables of percentage computations] Tablitsy protsentnykh vychislenii.  
Moskva, Gos.stat.izd-vo, 1958. 307 p. (MIRA 12:12)  
(Percentage--Tables and ready-reckoners)

GORKIN S.F.

BIRKENVAL'D, P.V.; BURDIN, M.P.; GORKIN, S.F.; YEGOROV, V.P.; ZARZHEYSKIY, V.A.; KOMODOV, A.A.; IAKTIONOV, A.T.; LEBEDENKO, D.P.; LINEVSKIY, A.A.; LOBANOV, G.V.; LYAKHOVETSKIY, Z.Ya.; MIROYEVSKAYA, O.N.; MIKHAYLOV, P.N.; NIKOLAYEV, S.V.; PAKHODEYEV, V.I.; SOKOLOV, G.V.; STRIZHEV, N.I.; SHAPOVALOV, V.A.; YAVKIN, P.Ye.; IVANININ, F.D., redaktor; DROZDOV, A.I., redaktor vypuska; SERGEYEVA, N.A., redaktor izdatel'stva; BORISOV, A.S., tekhnicheskii redaktor

[Handbook of consolidated estimate norms for geological prospecting operations] Spravochnik ukрупnennykh smetnykh norm na geologo-razvedochnye raboty (SUSE). Moskva, Gos. izd-vo geol. lit-ry. No.7 [Rotary drilling] Rotornoe burenie. 1950. 175 p. (MIRA 9:12) [Microfilm]

1. Russia (1923- U.S.S.R.) Ministerstvo geologii.  
(Boring)

AID P - 3618

Subject : USSR/Mining

Card 1/1 Pub. 78 - 2/20

Authors : Gorkin, S. F. and Ye. F. Grekulov

Title : ~~TO REORGANIZE THE MANAGEMENT OF PRODUCTION IN DRILLING BUREAUS~~  
To reorganize the management of production in drilling bureaus (by way of discussion)

Periodical : Neft. khoz., v. 33, #10, 7-12, 0 1955

Abstract : This is one in a series of articles published in this journal and written by different authors dealing with various questions relating to the organization of drilling work. The present article discusses the drilling managerial bureaus, their organization, problems, personnel, chain of command, etc., and presents some recommendations.

Institution : Central Bureau of Unit Standards of Work (TsBNT)

Submitted : No date

GORKIN, S.

Principal way to greatly increase labor productibility in oil well  
drilling. Sots.trud.no.3:39-44 Mr '56. (MIRA 9:7)  
(Oil well drilling) (Labor productivity)

GORKIN, S.; KOZYREV, S.

~~Reorganize the work of labor and wage sections. Sots.trud.~~

Reorganize the work of labor and wage sections. Sots.trud.

no.1:55-59 Ja '57.

(MLRA 10:4)

(Petroleum industry--Production standards)

DUNAYEV, Fedor Fedorovich; NEKRASOV, N.N., prof., doktor ekonom.nauk,  
retsenzent; BURETS, A.D., red.; GORKIN, S.F., red.; DUBROVINA,  
N.D., vedushchiy red.; TROFINOV, A.V., tekhn.red.

[Economics and planning of the petroleum industry in the U.S.S.R.]  
Ekonomika i planirovanie neftianoi promyshlennosti SSSR. Moskva,  
Gos.nauchno-tekhn.izd-vo nef. i gorno-toplivnoi lit-ry, 1961.  
228 p. (MIRA 14:4)

(Petroleum industry)

GORKIN, S.F.; YEGOROV, V.I.

Improve the economic training of engineers of the petroleum and  
gas industries. Izv. vys. ucheb. zav.; neft' i gaz 4 no.4:3-6  
'61. (MIRA 15:5)

(Petroleum engineers--Education and training)  
(Economics--Study and teaching)



YASTREMSKAYA, Vera Borisovna, dots.; GORKIN, S.F., otv. red.

[Industrial program for the recovery of petroleum and gas;  
a textbook for the course "Organization and planning of  
petroleum and gas enterprises"] Proizvodstvennaia programma  
po dobyche nefi i gaza; uchebnoe posobie po kursu "Organi-  
zatsiia i planirovanie nefiianykh i gazovykh predpriatii."  
Otv.red.S.F.Gorkin. Moskva, 1962. 50 p. (MIRA 16:12)

1. Moscow. Institut neftekhimicheskoy i gazovoy promyshlen-  
nosti.

(Petroleum industry) (Gas, Natural)

KHAMIDULLIN, Nazin Khayrulloovich; KHABIBULLIN, Rashid Akhmadulloovich;  
GORKIN, S.F., red.; ISAYEVA, V.V., ved. red.; STAROSHINA,  
L.D., tekhn. red.

[Work organization in the construction of oil wells;  
practices of petroleum workers in the Tatar A.S.S.R.] Orga-  
nizatsiia proizvodstva pri sooruzhenii neftiannykh skvazhin;  
opyt neftiyanikov Tatarskoi ASSR. Moskva, Gostoptekhizdat,  
1963. 75 p. (MIRA 17:1)  
(Tatar A.S.S.R.—Oil well drilling—Management)

YASTREMSKAYA, Vera Borisovna; GORKIL, S.F., kand. ekon. nauk,  
retsenzent; BIRENTO, A.D., red.; LATUKHINA, Ye.I., ved.  
red.

[Organization and planning of petroleum producing enter-  
prises] Organizatsiia i planirovanie neftedobyvaiushchikh  
predpriatii. Moskva, Nedra, 1964. 297 p. (MIRA 17:9)

GORKIN, S.F.

Economic problems of oil well drilling. Trudy MINKHIGP no.49:  
47-53 '65. (MIRA 18:8)

GORKIN, V.A.; OTTESEN, B.V.; ALEKSEYEV, I.V.

Automatic apparatus for the uninterrupted registration of the optical density of aqueous solutions of certain biologically important substances in the ultraviolet part of the spectrum. Vop.med.khim. 5 no.5:373-376 S-O '59. (MIRA 13:2)

1. Institute of Biological and Medical Chemistry, the U.S.S.R. Academy of Medical Sciences, Moscow.  
(CHEMISTRY, ANALYTICAL equip. & supply)

GORKIN, V.F.; RIF, V.I.

Machine for winding resistance coils of the sensitive element  
of the thermometer. Razved.i prom.geofiz. no.10:49-51 '54.  
(MIRA 13:2)

(Resistance coils)

COHEN, J.

Gorkin, V. - "Fluorescent-analytic investigations of the oxidation of adrenaline",  
Sbornik rabot studench. nauch. o-va Khar'k. med. in-ta, No. 8, 1949, p. 49-55.

SO: U-4110, 17 July 53, (Letopis 'Zhurnal 'rykh Statey, No. 12, 1949).

CORKIN, V. Z.

CORKIN, V. Z. - "On the Chemical Nature and Properties of 'Necrosin' and Homolysin of Inflammatory Exudates." Sub 16 Dec 52, Acad Med Sci USSR. (Dissertation for the Degree of Candidate in Medical Sciences).

SO: Vechernaya Moskva January-December 1: 52



GORBIN, V.Z.

~~Presented at the 1st All-Union Conference on the Chemistry of Nitrogen Metabolism, Moscow, 1951.~~

Metabolism of 1/ and d-hydroxyquinoline in the liver tissue.  
Biokhimiia, Moskva 17 no.1:69-76 Jan-Feb 1952. (CML 24:5)

1. Laboratory of the Chemistry of Nitrogen Metabolism of the Institute of Biological and Medical Chemistry of the Academy of Medical Sciences USSR, Moscow.

GORSTON V. I.

"The chemical nature and properties of "necrosin" (Macrocytase) and the haemolysin of inflammatory exudates (Russian text) ARKH. PATOL. 1953, 6 (13-26) Graphs 3 Tables 5 Illus. 1

Menkin's theory of inflammation is submitted to critical analysis, and a personal method of obtaining pure necrosin in dissolved form is described. It appears to be a pseudoglobulin and is a proteolytic enzyme of the trypsin type, with an optimum at pH 7.7-8.2. Pentization of proteins initially takes place without splitting of peptide bonds; the latter only occurs after prolonged incubation with the enzyme. Reagents which inhibit trypsin and form compounds with metal cations, prevent further proteolysis by macrocytase. The proteolytic action of macrocytase caused cutaneous necrosis in mice. The biological effect of the preparation is influenced by the nervous system. The haemolysin of inflammatory exudates - first described by Tarasevic - is a higher unsaturated fatty acid. It occurs in combination with macrocytase and can be separated from the latter with the aid of ether or butanol. Brandt-Berlin

SO: Excerpta Medica Section V, Vol. 7, No. 11

GORKIN, V.Z.

Chemical nature of tissue hemolysins. Biokhimiya 18, 227-34 '53.  
(CA 47 no.17:8876 '53) (MLRA 6:4)

1. Acad. Med. Sci., Moscow.

GORKIN, V. Z.

Chemical Abst.  
Vol. 48 No. 3  
Feb. 10, 1954  
Biological Chemistry

**Enzymic properties of necrosin (macropetase) of inflammatory exudates.** V. Z. Gorkin and M. N. Kondratyeva (Inst. Biol. and Med. Chem., Acad. Med. Sci. U.S.S.R., Moscow). *Biokhimiya* 18, 288-95(1953).—Necrosin (I) was obtained from exudates of experimentally produced inflammatory processes in the pleural cavity and subdermal tissues of the dog by injection of turpentine, as well as from purulent exudates obtained from hospitalized cases. After preliminary partial removal of nucleoproteins, the exudates were fractionated by  $(NH_4)_2SO_4$ . The protein fractions thus obtained were freed from sulfate by dialysis, dried, and stored in the cold. They were suspended in 0.9% NaCl and injected intradermally into mice. In the presence of I dermonecrosis appeared at the point of injection. Studies of the proteolytic properties of the purified and unpurified substances were carried out. A soln. of the protein substrate (usually denatured  $\beta$ - +  $\gamma$ -globulins of blood serum) in 0.9% NaCl, buffer, I, and toluene were incubated at 37°. Fixation was by means of trichloroacetic or acetic acid. Amino N was detd. with the Van Slyke app., residual N by micro-Kjeldahl, and unchanged protein by the biuret color reaction. Results were recorded after 24 and 48 hrs. The authors conclude that I of inflammatory exudates is a proteolytic enzyme of the type of trypsin, having an optimum pH 7.7-8.2. It splits a variety of proteins and possesses fibrinolytic properties. In the initial stages of I activity (as well as of crystalline trypsin) on the proteins there appears the process of peptization with a concomitant high increase in amino N, which starts after a prolonged period of incubation. Metallic cations which impede the proteolytic activity of trypsin have a similar impeding effect upon the protein-splitting power of I. No such effect is observed in the process of protein peptization by I or by crystalline trypsin. The ability of I to cause dermonecrosis is dependent upon its proteolytic properties. B. S. L.

GONKIN/VA

Section Abst.  
1. 2  
11. 1974  
11. 1974 Country

GORKIN, V. Z.

MD ✓ Chemical nature of hemolysin from inflammation ex-  
udates. V. Z. Gorkin. Doklady Akad. Nauk S.S.S.R., 90,  
837-40 (1953); (cf. Bender, C.A. 43, 7173).—Hemolysin  
from suppurative exudates (having pH 6.3-6.4) is found in  
the 1st protein fraction pptd. by  $(\text{NH}_4)_2\text{SO}_4$ ; it has hemo-  
lytic and cytolytic activity. Purification of such an exudate  
obtained from a dog, in which inflammation was induced by  
injection of turpentine, was accomplished by pptn. with  
 $(\text{NH}_4)_2\text{SO}_4$ , extn. with ac. BuOH, followed by extn. with  
 $\text{Et}_2\text{O}-\text{H}_2\text{O}$ , pptn. with  $\text{Pb}(\text{OAc})_2$ , and treatment of the ppt.  
with  $\text{EtOH}-\text{AcOH}$ . The lytic activity resides only in the  
fraction of unsatd. fatty acids with iodine no. 50, and contg.  
72.24% C and 10.99% H, which is close to the compn. of  
a  $\text{C}_{24}$  olefinic acid. G. M. Korshakoff

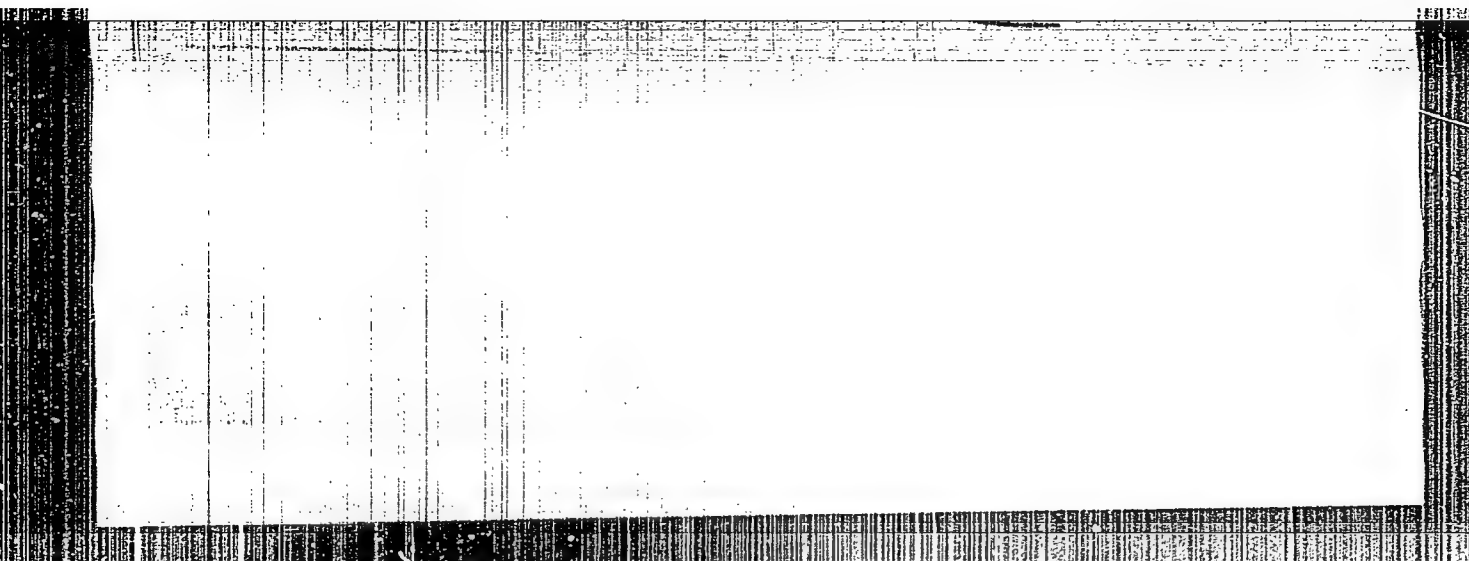
GORKIN, V. Z.

# USSR.

Electrophoretic studies of protein fractions in the serum of animals suffering from rheumatoid arthritis and A. Z. Gorkin, M. I. Gorkina, and A. Z. Gorkin. *Journal of Clinical Investigation*, 1964, 43: 100-108. 14 refs. The authors have studied the serum of patients with rheumatoid arthritis by means of electrophoresis. They found that in the serum of these patients there is a shift of the  $\alpha_1$  and  $\beta$  fractions towards the cathode. This shift is more pronounced in the serum of patients with active disease than in the serum of patients with inactive disease. The authors also found that in the serum of patients with rheumatoid arthritis there is a decrease in the concentration of the  $\alpha_1$  and  $\beta$  fractions. This decrease is more pronounced in the serum of patients with active disease than in the serum of patients with inactive disease. The authors conclude that these changes in the serum of patients with rheumatoid arthritis are characteristic of the disease and may be used as a basis for diagnosis.

**"APPROVED FOR RELEASE: 09/19/2001**

**CIA-RDP86-00513R000616220004-0**



**APPROVED FOR RELEASE: 09/19/2001**

**CIA-RDP86-00513R000616220004-0"**



USSR/Medicine/Experimental Apparatus

FD-2958

Card 1/1      Pub. 17-22/23

Author      : Gorkin, V. Z. and Levitin, V. F.

Title      : ~~Modification of a photoelectric apparatus for the investigation~~  
: Modification of a photoelectric apparatus for the investigation  
of "electroforegrams" [electrophoresis diagrams] (on the method  
of quantitative microelectrophoresis of proteins on paper)

Periodical   : Byul. eksp. biol. i med. 7, 76-79, Jul 1955

Abstract   : Authors describe an apparatus for quantitative microelectro-  
phoresis of proteins. This instrument is a simplification of  
Roettger's apparatus (Klinische Wochenschrift Vol 3, p 85, 1953)  
and is built entirely of parts produced by the radio industry of  
the USSR. 14 references, 4 USSR, 15 since 1940. Diagrams,  
Graph, Table.

Institution   : Biochemical Laboratory (Head: Dr. Biological Sciences B. S.  
Kasavina), Central Institute of Traumatology and Orthopedics,  
(Dir: Corresponding Member Academy Medical Sciences Prof. N. N.  
Priorov) Ministry of Health USSR, Moscow.

Submitted   : 18 Nov 1954

GORKIN, V. L.

"Recent Advances in the Biochemistry of Inflammation, Part 2," by V. Z. Gorkin, Laboratory of Nitrogen Metabolism (scientific director, Prof A. Ye. Braunshteyn, Active Member, Academy of Medical Sciences USSR), Institute of Biological and Medical Chemistry (director, Prof V. N. Orekhovich, Active Member, Academy of Medical Sciences USSR), Academy of Medical Sciences USSR, Ekspperimental'naya Khirurgiya, No 6, Nov/Dec 56, pp 57-60

Chemical compounds which can alter the course of the inflammatory process are being studied intensively. Among these are the corticosteroids (cortisone, hydrocortisone, the desoxycorticosterones, aldosterone, etc.), and adrenocorticotrophic hormone, and the growth hormone of the anterior hypophysis.

The physiological effect of the above compounds on the inflammatory process is discussed on the basis of data available in the literature.

Approximately 55 references are listed in the bibliography, the majority being non-Soviet. (U)

Exam. 1341

GONKIN, V.Z.

Chromatographic separation of 5'-phosphoric esters of adenosine and inosine on ion-exchange resins [with summary in English].  
Biokhimiia 23 no.1:106-113 Ja-F '58. (MIRA 11:3)

1. Laboratoriya obmena azotistykhn soyedineniy Instituta biologicheskoy i meditsinskoy khimii AMN SSSR, Moskva.

(ADENOSINE, related compounds,

5'-phosphoric esters, chromatography with ion-exchange resins (Rus)

(NUCLEOSIDES AND NUCLEOTIDES, determination,

inosine 5'-phosphoric esters, chromatography with ion-exchange resins (Rus)

GORKIN, V.Z.

POKROVSKIY, A.A., GORKIN, V.Z.

Conference on the protein problem. Vop.med.khim, 4 no.3:236-239  
My-Je '58 (MIRA 11:6)  
(PROTEINS)

GORKIN, V.Z.

Obtaining high-purity diphosphopyridine nucleotide preparations by column chromatography using the EDE-10-P anionite [with summary in English]. Biokhimiia 23 no.5:777-782 S-O '58 (MIRA 11:11)

1. Laboratoriya khimii azotistogo obmena Instituta biologicheskoy i meditsinskoy khimii AMN SSSR, Moskva.

(COENZYMES, determ.

diphosphopyridine nucleotide, column chromatography on anion-exchange resin (Rus))

GURKIN, V.Z.; Prinimala uchastiye: ROMANOVA, L.A.

Certain properties of mitochondrial monoamino oxidase of rat liver and brain. Biokhimiia 24 no.5:826-832 S-O '59. (MIRA 13:2)

1. Laboratoriya obmena azotistykh soyedineniy Instituta biologicheskoy i meditsinskoy khimii Akademii meditsinskikh nauk SSSR, Moskva.

(OXIDASES chem.)

(LIVER metab.)

(BRAIN metab.)

(MITOCHONDRIA metab.)

GINODMAN, L.M.; GORKIN, V.Z.

Conference on problems in enzyme chemistry and on the mechanism  
of enzyme action. Vop. med. khim. 6 no.3:323-326 My-Je '60.

(MIRA 14:3)

(ENZYMES—CONGRESSES)

GORKIN, V.Z.

"General biochemistry" by J. Fruton, S. Simmonds. Reviewed by  
V.Z. Gorkin. Vop.med.khim. 6 no.5:552 S-0 '60. (MIRA 14:1)  
(BIOCHEMISTRY) (FRUTON, J.) (SIMMONDS, S.)



GORKIN, V.Z.

Conference devoted to the chemistry and biochemistry of blood  
plasma proteins. Vop. med. khim. 7 no.3:329-332 My-Je '61.

(MIRA 15:3)

(BLOOD PROTEINS)

GORKIN, V.Z.

Role of zinc in the amine oxidase activity of the blood serum.  
Vop. med. khim. 7 no.6:632-638 N-D '61. (MIRA 15:3)

1. Institute of Biological and Medical Chemistry, Academy of  
Medical Sciences of the U.S.S.R., Moscow.

(ZINC IN THE BODY)

(AMINE OXIDASE)

GORKIN, V. Z. (Moskva)

Biochemistry of polyamines. Usp. biol. khim. 4:157-172 '62.  
(MIRA 15:7)

(SPERMINE) (SPERMIDINE)

POZNANSKAYA, A.A.; GORKIN, V.Z.

Modern concepts of the role of biotin in metabolism; participation of biotin in carbon dioxide fixation. Vop. med. khim. 8 no.2:115-131 Mr-Ap '62. (MIRA 15:4)

1. Institut biologicheskoy i meditsinskoy khimii AMN SSSR, Moskva.  
(CARBOXYLATION) (BIOTIN)

GORKIN, V.Z.; AVAKYAN, A.A.; VEREVKINA, I.V.; KOMISSAROV, A.V.

Use of zonal electrophoresis in vertical columns with a new anticonvection material (granulated polymethylmethacrylate) for purification of amino oxidase in the blood serum. Vop. med. khim. 8 no.6:638-645 N-D '62. (MIRA 17:5)

1. Laboratoriya biokhimi i aminov i drugikh azotistyykh osnovaniy Instituta biologicheskoy i meditsinskoy khimii AN SSSR, Moskva.

GORKIN, V.Z.

Present-day achievements in the study of the processes and enzymatic systems in the metabolism of biogenic amines. Vest. AMN SSSR 17 no.9:28-38 '62. (MIRA 15:12)

1. Institut biologicheskoy i meditsinskoy khimii AMN SSSR.  
(AMINES) (ENZYMES)

GORKIN, V.Z.; GRIDNEVA, L.I.; ROMANOVA, L.A.; SEVERINA, I.S.

Determination of the activity of mitochondrial monoamino oxidase  
by spectrophotometry. Biokhimiia 27 no.6:1004-1014 N-D '62.  
(MIRA 17:5)

1. Laboratoriya biokhimii aminov i drugikh azotistyykh osnovaniy  
Instituta biologicheskoy i meditsinskoy khimii AMN SSSR, Moskva.

GORKIN, V.Z.; VEREVKINA, I.V.

Partial purification of monoamine oxidase in rat liver  
mitochondria. Vop. med. Khim. 9 no. 3:315-317 My-Je '63.  
(MIRA 17:9)

1. Institut biologicheskoy i meditsinskoy khimii AMN SSSR, Moskva.



GORKIN, V.Z.

Chromatographic separation of mitochondrial aminoxidases.  
Vop. med. khim. 9 no.6:646-648 H-D '63.

(MIRA 17:10)

1. Institut biologicheskoy i meditsinskoy khimii AMN SSSR,  
Moskva.

GORKIN, V.Z.; GRIDNEVA, L.I.; YERMOLAYEV, K.M.; ZHELYAZKOV, D.K. (Bolgariya)

A new non-hydrazine inhibitor of monoamine oxidase. Dokl. AN SSSR  
153 no.2:468-469 N '63. (MIRA 16:12)

1. Institut biologicheskoy i meditsinskoy khimii AMN SSSR. Predstavleno  
akademikom M.M.Shemyakinym.

GORKIN, V. Z.

"On the Multiplicity of Mitochondrial Amine Oxidases."

report to be presented at the 6th Intl Biochemistry Cong, New York City, 26 Jul-1  
Aug 1964.

OREKHOVICH, V.N., red.; GORKIN, V.Z., red.

[Current methods in biochemistry] Sovremennye metody v  
biokhimi. Moskva, Meditsina. Vol.1. 1964. 347 p.  
(MIRA 18:2)

COREIN, V.2.

Separation on ionites and purification of adenosine and  
inosine 5'-phosphate esters. Sovr. metod. v biokhim. 1:  
250-259 '64. (MIRA 18:5)

GORKIN, V.Z.; SEVERINA, I.S.; POLETAYEV, A.I.

Effect of dimethylhydrazine and tetramethyltetrazene on the activity  
of mitochondrial monoamine oxidase. Zhur.VKHO 9 no.1:115-116  
'64. (MIRA 17:3)

1. Institut biologicheskoy i meditsinskoy khimii AMN SSSR.

GORNIN, V.Z., kand.med.nauk

Nature, mechanism of action and specific inhibition of mitochondrial monoamine oxidases. Zhur. VKHO 9 no.4:405-412 '64.

(MIRA 17:10)

L 11-67-65 AEDC(a)/AMETR/AMD/ESD(t)

ACCESSION NR: AP4042479

B/C 217/64/009/004/0503/0506

AUTHOR: Verevkina, I. V.; Gorkin, I. Z.; Mityushin, V. M.; El'piner, I. Ya.

TITLE: Effect of ultrasonic waves on monoaminoxidase bound to submicroscopic mitochondrion structures

SOURCE: Biofizika, v. 9, no. 4, 1964, 503-506

[illegible]



microscope

ABSTRACT: Mitochondrion suspensions prepared from white rat livers were exposed to ultrasonic waves to determine the effect of ultrasonic structures containing membrane structures. The effect of ultrasonic waves on mitochondrion into the surrounding medium. The mitochondrion were vibrated up to 60 min by a piezoelectric transducer at a frequency, 10 to 12 watt/cm<sup>2</sup> intensity. The effect of ultrasonic waves on

104487-65

ACCESSION NR: AP4042479

104487-65  
The mitochondria were isolated by a standard procedure. The mitochondria were suspended in a buffer solution consisting of 0.25 M sucrose, 0.1 M Tris-HCl, pH 7.4, and 0.1 M EDTA. The activity was determined by measuring the rate of oxygen consumption as a substrate. The rate was measured by a Clark-type oxygen electrode. In addition, the suspensions were centrifuged at 100,000 x g for 1 hour.

cell suspensions were centrifuged at 105,000 g (1 hr) with a "Spinco" ultracentrifuge, and ultrathin mitochondrion sections were examined with a UEM-100 electron microscope. Findings are that the monoaminoxidase activity of mitochondrion suspensions exposed to ultrasonic waves does not differ from control suspensions. With centrifuging of control suspensions, monoaminoxidase activity was found in the supernatant. However, with ultracentrifuging of the control suspensions, monoaminoxidase was found in the sediment. These results indicate that the submicroscopic structures, and not the whole cells, contain the monoaminoxidase enzyme. This suggests that the liver submicroscopic structures are only in the mitochondria.

See 1/3

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ACCESSION NR: AP4042479

ORIGINATOR: Institut biologicheskoy fiziki  
Akademiya Nauk SSSR, Institut biologicheskoy fiziki  
Akademiya Meditsinskikh Nauk, Moscow  
Ministry Academy of Medical Sciences

1. 10. 1965: 20. 10. 1965

2. 10. 1965: 20. 10. 1965

Card 3/3